

9 October 1962

To: John Parangosky
[redacted]
Col. Leo Geary

Regarding the work statement on the new project, I would propose the following:

By 2 January 1963, [redacted] will do the following, for a sum not to exceed [redacted]

1. Evaluate optimum drone configuration to carry a payload of 300 pounds a total range of 3000 nautical miles when launched from an A-12 vehicle.
2. Run wind tunnel tests in [redacted] and NASA tunnels to obtain aerodynamic data on the drone and the drone plus the A-12 launcher to evaluate the separation problem, duct recovery, drag, and stability factors.
3. Evaluate optimum structural material for minimum cost and weight of the vehicle.
4. Construct a full scale mockup of the drone. This mock-up will be so configured that it will be suitable for mounting on the A.R. test pole. It will include one configuration of chine blankets, vertical tail (or tails), and one inlet spike for initial A.R. tests.
5. Obtain rough A.R. evaluation at [redacted]. Complete tests cannot be obtained in the time period noted or within the cost stated above. The range facilities and E.G. & G. services would be provided at no cost to [redacted].
6. Contact power plant and equipment vendors to obtain data on the performance, delivery aspect and cost of required systems.
7. Prepare a summary report on test results, the final configuration, program costs, flight tests, and delivery schedules for 20 vehicles. Include studies and costs for conversion of two A-12 aircraft to drone launchers.

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Sincerely, [redacted]

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